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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,620	08/01/2006	Toru Takenaka	SAT-16648	3881
	7590 02/12/201 L & CLARK LLP	0	EXAMINER	
38210 Glenn A	venue		LI, CE LI	
WILLOUGHBY, OH 44094-7808			ART UNIT	PAPER NUMBER
			3661	
			MAIL DATE	DELIVERY MODE
			02/12/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/597,620	TAKENAKA ET AL.
Notice of Allowability	Examiner	Art Unit
	CE LI	3661
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85; NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in) or other appropriate communities. This application is su	this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to <u>01/21/2010</u> .		
2. ☑ The allowed claim(s) is/are <u>1-28</u> .		
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application	ı No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv 		
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.	
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	's Amendment / Comment or i	n the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the same of		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Su	ormal Patent Application mmary (PTO-413),
 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 01/21/2010 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	Paper No./N 7. ☐ Examiner's A	Mail Date
/CE LI/ Examiner, Art Unit 3661	/Thomas G. Blad Supervisory Pate	ck/ ent Examiner, Art Unit 3661

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Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 01/21/2010 was filed after the mailing date of the notice of allowance on 12/30/2009. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

2. The examiner has considered the references in the IDS, and still could not find any reasons to reject the allowed claims. Therefore, the claims filed on 08/01/2006 are still allowable over the references in the IDS filed on 01/21/2009.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Claims 1 and 2 are allowed based on the follow reasons:

The prior art fails to disclose or suggest alone or in combination as claimed if all or a part of the mobile robot is expressed in terms of a model constructed of a plurality of elements, the elements being at least either rigid bodies having inertia or mass points, the placement of elements of the model determined according to a predetermined first geometric restrictive condition, which specifies the relationship between an instantaneous motion of the mobile robot and the placement of the elements of the model, from an instantaneous desired motion generated by the instantaneous gait generating means is defined as a first placement, the placement of the elements of the model determined according to a predetermined second geometric restrictive condition, which specifies the relationship between an instantaneous motion of the mobile robot and the placement of the elements of the model, from the first provisional corrected

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instantaneous desired motion determined by the first provisional corrected motion determining means is defined as a second placement, and the placement of the elements of the model determined according to the second geometric restrictive condition from the second provisional corrected instantaneous desired motion determined by the second provisional corrected motion determining means is defined as a third placement, then the desired motion correcting means determines the sum of the result obtained by multiplying the posture of the predetermined part in the first provisional corrected instantaneous desired motion by a predetermined weight w1 and the result obtained by multiplying the posture of the predetermined part in the second provisional corrected instantaneous desired motion by a predetermined weight w2 as the instantaneous desired posture of the predetermined part in the corrected instantaneous desired motion, and also determines the sum of the result obtained by multiplying the position of the predetermined part in the first provisional corrected instantaneous desired motion by the predetermined weight w1 and the result obtained by multiplying the position of the predetermined part in the second provisional corrected instantaneous desired motion by the predetermined weight w2 as the instantaneous desired position of the predetermined part in the corrected instantaneous desired motion.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to CE LI whose telephone number is (571)270-5564. The examiner

can normally be reached on Monday to Friday, 9AM-5PM, EST, every other Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas Black can be reached on (571)272-6956. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CE LI/

Examiner, Art Unit 3661

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/Thomas G. Black/

Supervisory Patent Examiner, Art Unit 3661